

LAND APPLICATION OF BIOSOLIDS

WILLIAM LATANE

KW 34 (FIELDS 1-9)

KING WILLIAM COUNTY, VIRGINIA

AUGUST 2011



A Residuals Management Company

Piedmont Regional Office
JUN 03 2013
RECEIVED

August 24, 2011

Mr. Scott Haley
Dept of Environmental Quality
Piedmont Regional Office
4949-A Cox Road
Glen Allen, VA 23060

Dear Mr. Haley:

Transmitted herein for your consideration is land application site for William Latane (designated as KW 34, fields (1-9), located in King William County, Virginia. This submission contains strictly site specific information. Please refer to the operations and maintenance manual submitted under separate cover for all non-site specific information.

Do not hesitate to contact me at (804) 443-2170 should you have any questions or require additional information.

Sincerely,

A handwritten signature in dark ink, appearing to read "Chris Sylva".

Chris Sylva
Technical Services Manager

WCS/cmw

Table 1
Field Acreage Summary

KW 34 WILLIAM LATANE

King William County

Field	Gross Acres	Buffer Acres	Net Acres	Tract #:	Landowner
1	948.5	68.3	880.2		William Latane
2	494.9	32.2	462.7		William Latane
3	16.4	0.0	16.4	1734	William Latane
4	6.8	0.0	6.8	1734	William Latane
5	20.8	0.0	20.8	1734	William Latane
6	12.6	0.0	12.6	1734	William Latane
7	55.0	0.0	55.0	1734	William Latane
8	7.3	0.0	7.3	1734	William Latane
9	4.8	0.0	4.8	1734	William Latane
Total	1567.1	100.5	1466.6		

KING WILLIAM COUNTY

Last Updated November 2009

Map information is believed to be accurate, but accuracy is not guaranteed. Any errors or omissions should be reported to the Commissioner of Revenue's office. In no event will King William County be liable for any damages or other pecuniary loss that may arise from the use of this data.



MANGOHICK DISTRICT



600 300 0 600 1,200 1,800 Feet

SECTION 5

LEGEND

- County Boundary
- Railroads
- Roads
- Roads / Alleys
- Lots
- Sections / Blocks
- Streams
- Water Bodies

VIRGINIA LANDOWNER CONSENT FOR BIOSOLIDS APPLICATION

OWNER NAME: William C. Latane PHONE: (804) 224-1361
ADDRESS: 73 Poland St. Montross VA 22520
OPERATOR NAME: TERRI ALLEN / KEVIN SCHOOLS TOTAL ACRES: 1,565
FSA TRACT #: 1734 FSA FARM #1890 COUNTY: KING WILLIAM

+ ADJACENT 483 ACRES & 6.9 ACRES WOODLAND

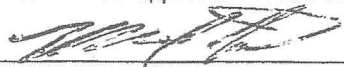
The undersigned hereby agrees to the application of biosolids by Synagro at application rates in accordance with applicable laws and regulations.

This biosolids application agreement is made on 6-24-10 between William C. Latane (Landowner) and Synagro (owner of the permit).

Landowner is the owner of agricultural land shown on the map attached as Exhibit A and designated there as KW 34 Fields 1-9 (Landowner's land). Synagro agrees to apply and Landowner agrees to comply with certain permit requirements following application of biosolids on Landowner's land in amounts and in a manner authorized by permit number _____ which is held by Synagro.

Landowner acknowledges that the appropriate application of biosolids will be beneficial in providing fertilizer and soil conditioning to the property. Moreover, Landowner acknowledges having been expressly advised that, in order to protect public health:

1. I understand that Synagro will coordinate biosolids deliveries with my farm operator hereinafter (leasee) unless otherwise advised by me.
2. I agree to allow Synagro and federal, state and local regulatory staff access to my land for the purposes of permitting the site, inspecting the site, applying biosolids, obtaining samples from the site and testing. I reserve the right to ask the above parties for proper identification at any time.
3. I understand that the following conditions apply to my land following biosolids applications and that my leasee has signed an agreement form with Synagro stating that my leasee will be responsible for following these conditions where applicable:
 - a. Do not graze animals on the land for 30 days after the application of biosolids. In addition, animals intended for dairy production shall not be allowed to graze on the land for 60 days after the application of biosolids.
 - b. Food crops (crops consumed by humans including but not limited to fruits, vegetables and tobacco) with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface \geq 4 months prior to incorporation into the soil, or 38 months when the biosolids remain on the land surface $<$ 4 months prior to incorporation. Food crops, feed crops and fiber crops shall not be harvested for 30 days after application of biosolids.
 - c. Public access to land with a low potential for public exposure (land the public uses infrequently including but not limited to agricultural land and forests) shall be restricted for 30 days. Public access to land with a high potential for public exposure (land the public uses frequently including but not limited to a public contact site such as parks, playgrounds and golf courses) shall be restricted for 1 year.
 - d. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.
4. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified on the nutrient balance sheet or the nutrient management plan approved by the Virginia Department of Conservation and Recreation to be supplied to the Landowner by Synagro at the time of application of biosolids to a specific permitted site.
5. Tobacco, because it has been shown to accumulate cadmium, should not be grown on Landowner's land for 3 years following the application of biosolids-borne cadmium equal to or exceeding 0.45 lbs/ac (0.5 kg/ha).
6. I have also read the "Information About Biosolids" which is on the reverse side and incorporated by reference in this Consent.
7. The term of this Consent shall continue until written notification is given by either party to terminate this agreement. Furthermore, due to the significant costs incurred by Synagro to permit the land application site, I agree not to change to another biosolids provider for a period of three years from the date of permit issuance.
8. I certify that I am holder of legal title to the above described property or am authorized by the holder to give consent for the land application of biosolids and that there are no restrictions to the granting of consent under this form.

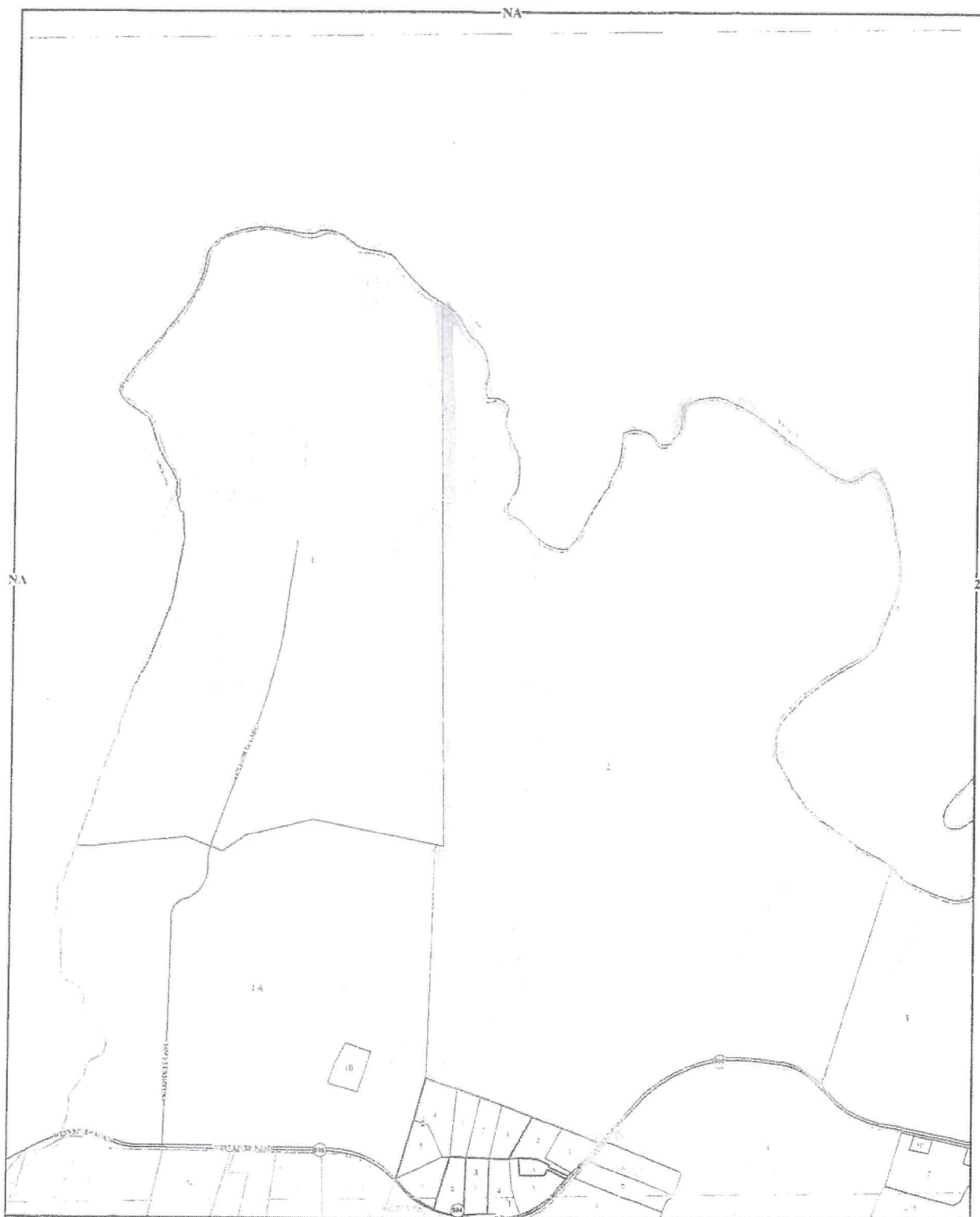

OWNER SIGNATURE (If signing as a representative, include title)

6/24/10
DATE

Synagro * 10647 Tidewater Trail * Champlain, VA 22438 * 804.443.2170

Last Updated January 2009

A tip information is believed to be accurate, but accuracy is not guaranteed. Any errors or omissions should be reported to the Commission of Brown's Office. In no event will King William County be liable for any damages or other pecuniary loss that may arise from the use of this data.



MANGOHICK DISTRICT



SECTION 1

LEGEND

- County Boundary Routes Lots Streams
 Railroads Roads / Alleys Sections / Blocks Water Bodies



VIRGINIA REQUEST AND CONSENT FOR BIOSOLIDS

FARM OPERATOR: By land - Terri Allen / Kevin Schools
Timber - William B. Lohr PHONE: (804) 224-1361
ADDRESS: 73 Poland Street Manassas VA 22520
FARM LOCATION: 9.8 miles south of Rylett on rt 600

FSA TRACT #: 1734 Farm # 1890 + adjoining tracts of G. P. Ac § 488 acres.
TOTAL ACRES: 156.5 COUNTY: King William
CROPS: + corn, feed grains, vegetables

1. I agree to be responsible for adhering to the following conditions, where applicable:
 - a. The soil pH will be adjusted ≥ 6.0 when biosolids are applied. (This may be accomplished through the application of lime-treated biosolids).
 - b. Do not graze animals on the land for 30 days after the application of biosolids. In addition, animals intended for dairy production should not be allowed to graze on the land or be fed chopped foliage for 60 days after the application of biosolids. Meat-producing livestock should not be fed chopped foliage for 30 days after the application of biosolids.
 - c. Food crops for direct human consumption with harvested parts below the surface of the land shall not be harvested for 14 months after the application of biosolids.
 - d. Food crops for direct human consumption with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface ≥ 4 months prior to incorporation into the soil or 38 months when the biosolids remain on the land surface < 4 months prior to incorporation.
 - e. Food crops, feed crops and fiber crops shall not be harvested for 30 days after application of biosolids.
 - f. Public access to land with a low potential for public exposure (land the public uses infrequently including but not limited to agricultural land and forests) shall be restricted for 30 days after application of biosolids. Public access to land with a high potential for public exposure (land the public uses frequently including but not limited to a public contact site such as parks, playgrounds and golf courses) shall be restricted for 1 year. No biosolids-amended soil shall be excavated or removed from the site for 30 days following the biosolids application unless adequate provisions are made to prevent public exposure to soils, dusts or aerosols.
 - g. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.
 - h. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified on the nutrient balance sheet or the nutrient management plan approved by the Virginia Department of Conservation and Recreation to be supplied to the farm operator by Synagro at the time of application of biosolids to a specific permitted site.
 - i. Tobacco, because it has been shown to accumulate cadmium, should not be grown for three years following the application of biosolids-borne cadmium equal to or exceeding 0.45 lbs/acre.
2. I understand that this transaction is not contemplated by the parties to be a sale of goods, and that Synagro is willing to provide to me without charge the service of land applying biosolids which have been approved by the appropriate regulatory agencies for land application.
3. I understand that successful crop production depends on many variables, such as weather, soil conditions and specific farming practices and that while Synagro has experience with land application of biosolids, the responsibility for properly accommodating agricultural practices to biosolids utilization are solely mine. I have also read and understand the "Important Information About Using Biosolids as a Fertilizer" which is on the reverse side and incorporated by reference in this Request and Consent.


OPERATOR'S SIGNATURE

6/24/10
DATE

Synagro * 10647 Tidewater Trail * Champlain, VA 22438 * 804.443.2170

Tax ID Landowner Identification Sheet

Landowner	Field #	Tax ID
William Latane	1	1-2
William Latane	2	5-29E, 1-6
William Latane	3	1-2
William Latane	4	1-2
William Latane	5	1-2
William Latane	6	1-2
William Latane	7	1-2
William Latane	8	1-2
William Latane	9	1-2

MAP LEGEND



House/Dwelling with a well



Rock Outcrop



Well



Lake/Pond



Slope which exceeds 15%



Intermittent Stream



Stream/River



Agricultural/Drainage Ditch



Field boundary



Property Line

Farm Summary Report

Farm Name: KW34

Field Name: 34-1

Soils:

PERCENT	SYMBOL	SOIL SERIES
8	1B	Altavista
6	12B	Eunola
5	8A	Conetoe
15	13B	Kempsville
4	17A	Munden
8	16A	Mattan
4	29D	Tarboro
9	29F	Tarboro
9	20A	Osier
32	32A	Wehadkee

Field Name: 34-2

Soils:

PERCENT	SYMBOL	SOIL SERIES
10	2B	Bama
11	10B	Emporia
2	12A	Eunola
20	13B	Kempsville
1	21A	Pactolus
25	22D	Nevarc Remlik
31	3A	Bibb Kinston

Field Name: 34-3

Soils:

PERCENT	SYMBOL	SOIL SERIES
74	8A	Conetoe
1	25A	Seabrook
3	29B	Tarboro
22	29D	Tarboro

Field Name: 34-4

Soils:

PERCENT	SYMBOL	SOIL SERIES
85	29B	Tarboro
3	29D	Tarboro
4	29F	Tarboro
8	25A	Seabrook

Field Name: 34-5

Soils:

PERCENT	SYMBOL	SOIL SERIES
29	25A	Seabrook
71	29B	Tarboro

Field Name: 34-6

Soils:

PERCENT	SYMBOL	SOIL SERIES
53	29B	Tarboro
47	25A	Seabrook

Field Name: 34-7

Soils:

PERCENT	SYMBOL	SOIL SERIES
10	25A	Seabrook
88	29B	Tarboro
1	23A	Riverview
1	32A	Wehadkee

Field Name: 34-8

Soils:

PERCENT	SYMBOL	SOIL SERIES
100	13B	Kempsville

Field Name: 34-9

Soils:

PERCENT	SYMBOL	SOIL SERIES
100	13B	Kempsville



KW 34

A Residuals Management Company



1 inch = 2,083.333333 feet

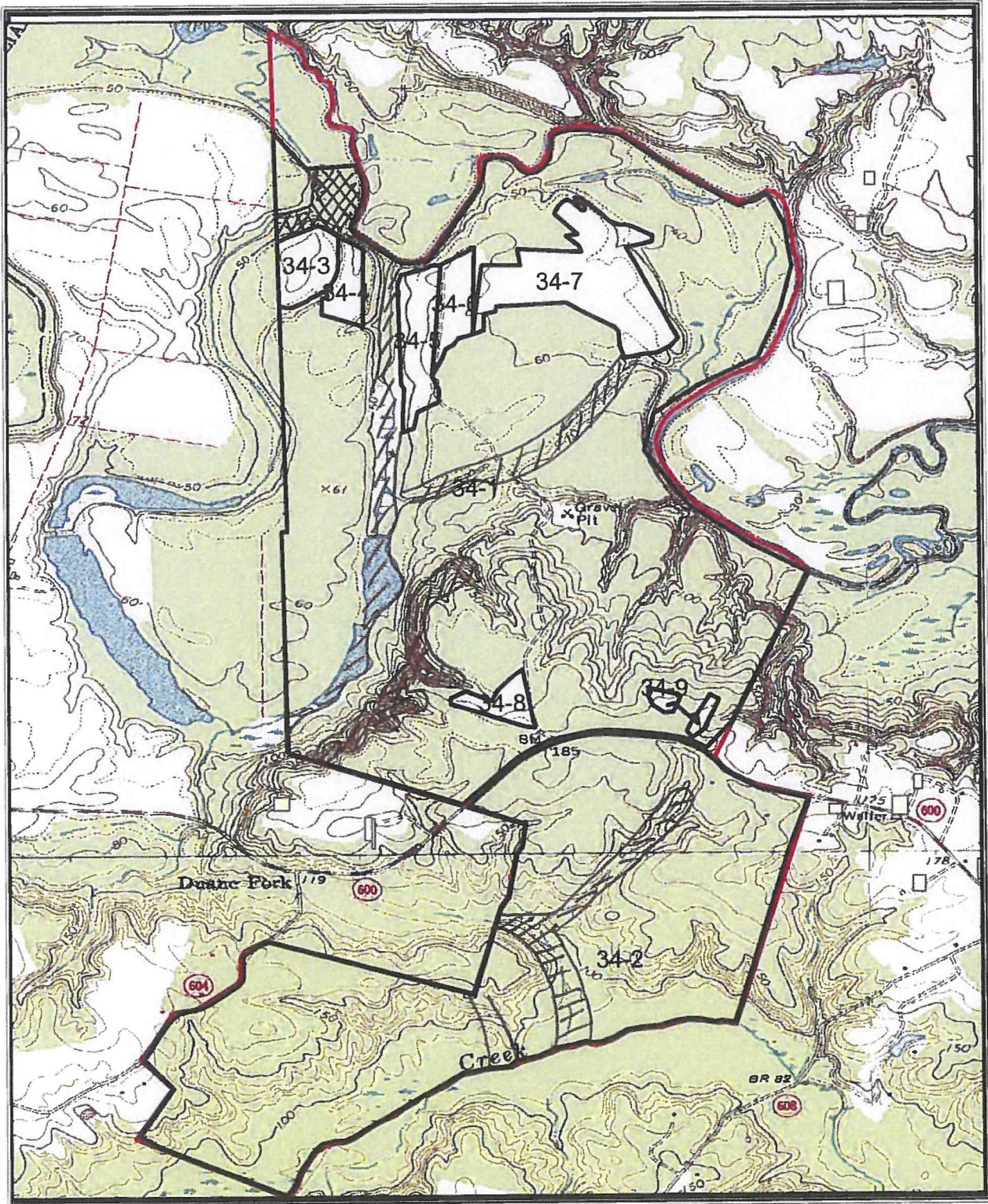
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SYNAGRO

A Residuals Management Company

William Latane
KW 34



1 inch = 2,083.333333 feet

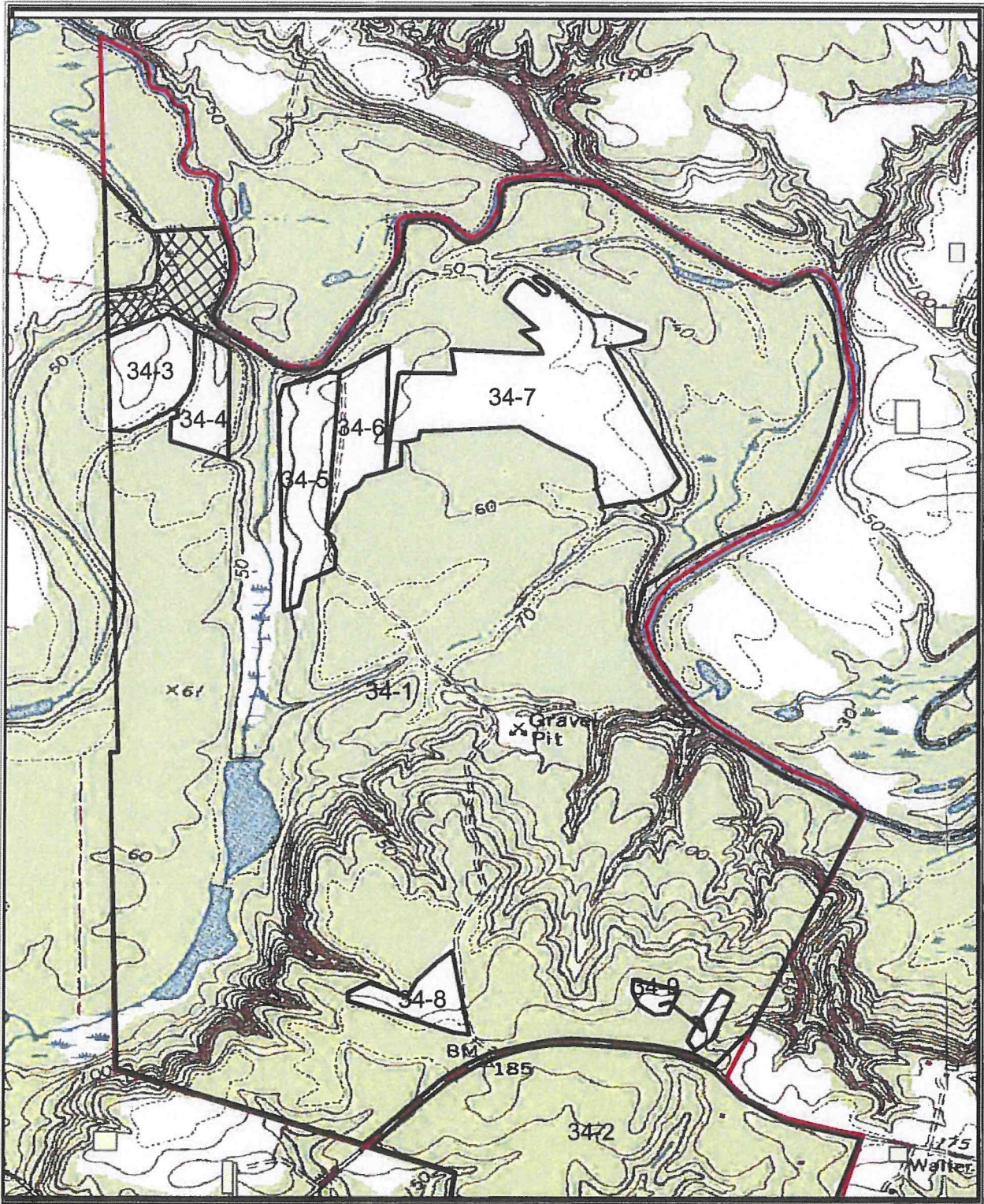
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SYNAGRO

A Residuals Management Company

William Latane
KW 34



1 inch = 1,458.333333 feet

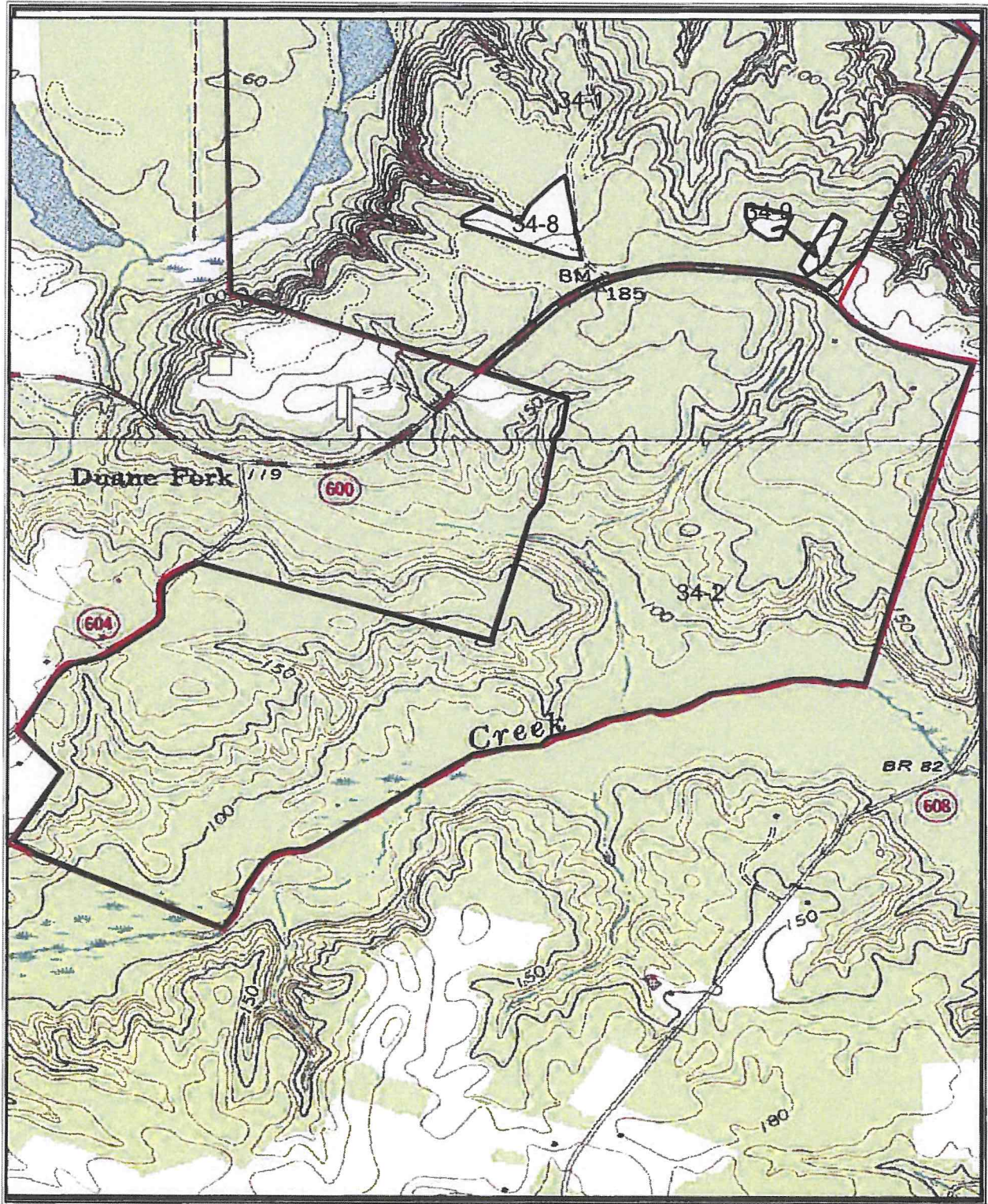
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SYNAGRO

A Residuals Management Company

William Latane
KW 34



1 inch = 1,458.333333 feet

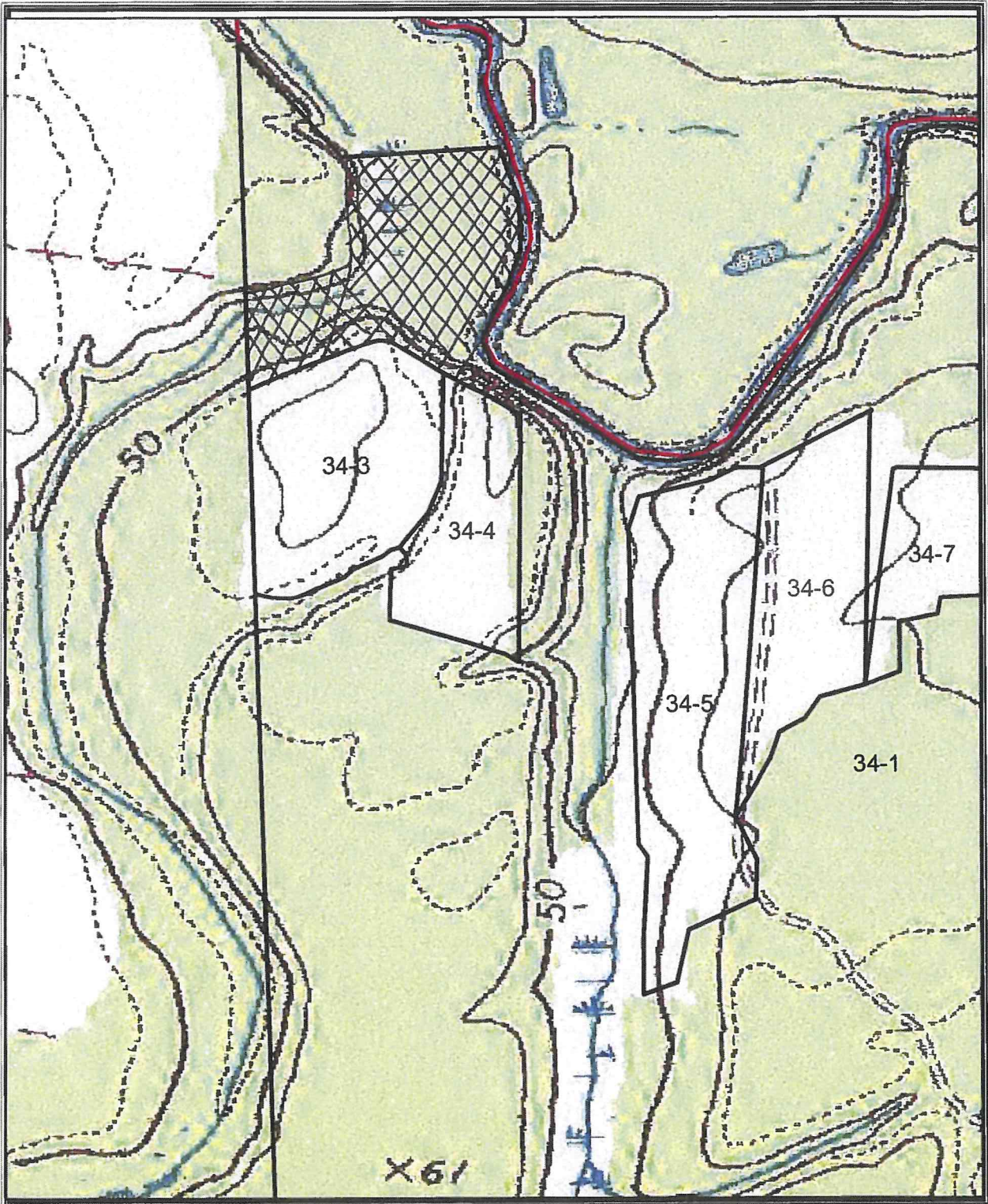
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SYNAGRO

A Residuals Management Company

William Latane
KW 34



1 inch = 660 feet

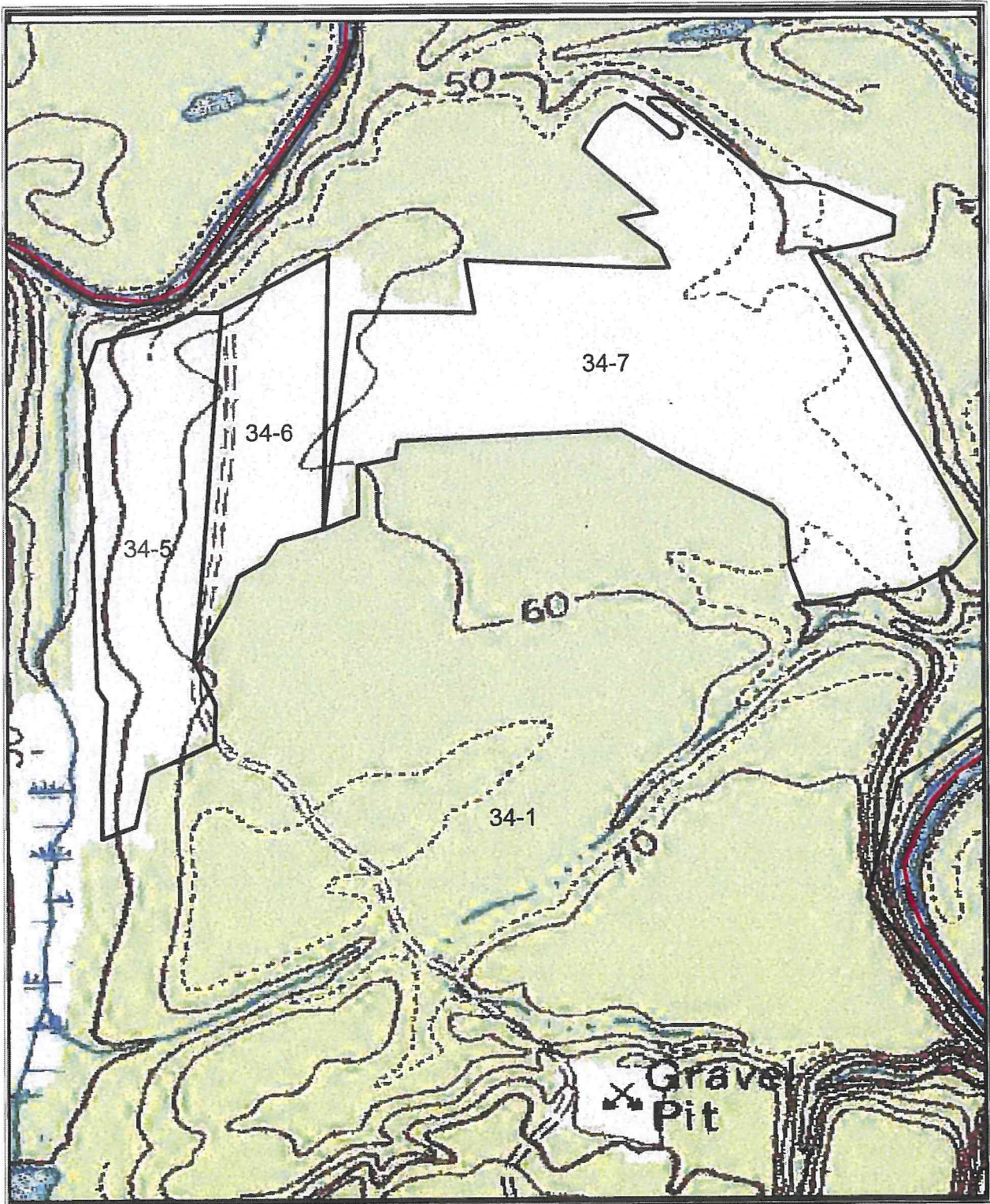
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SYNAGRO

A Residuals Management Company

William Latane
KW 34



1 inch = 660 feet

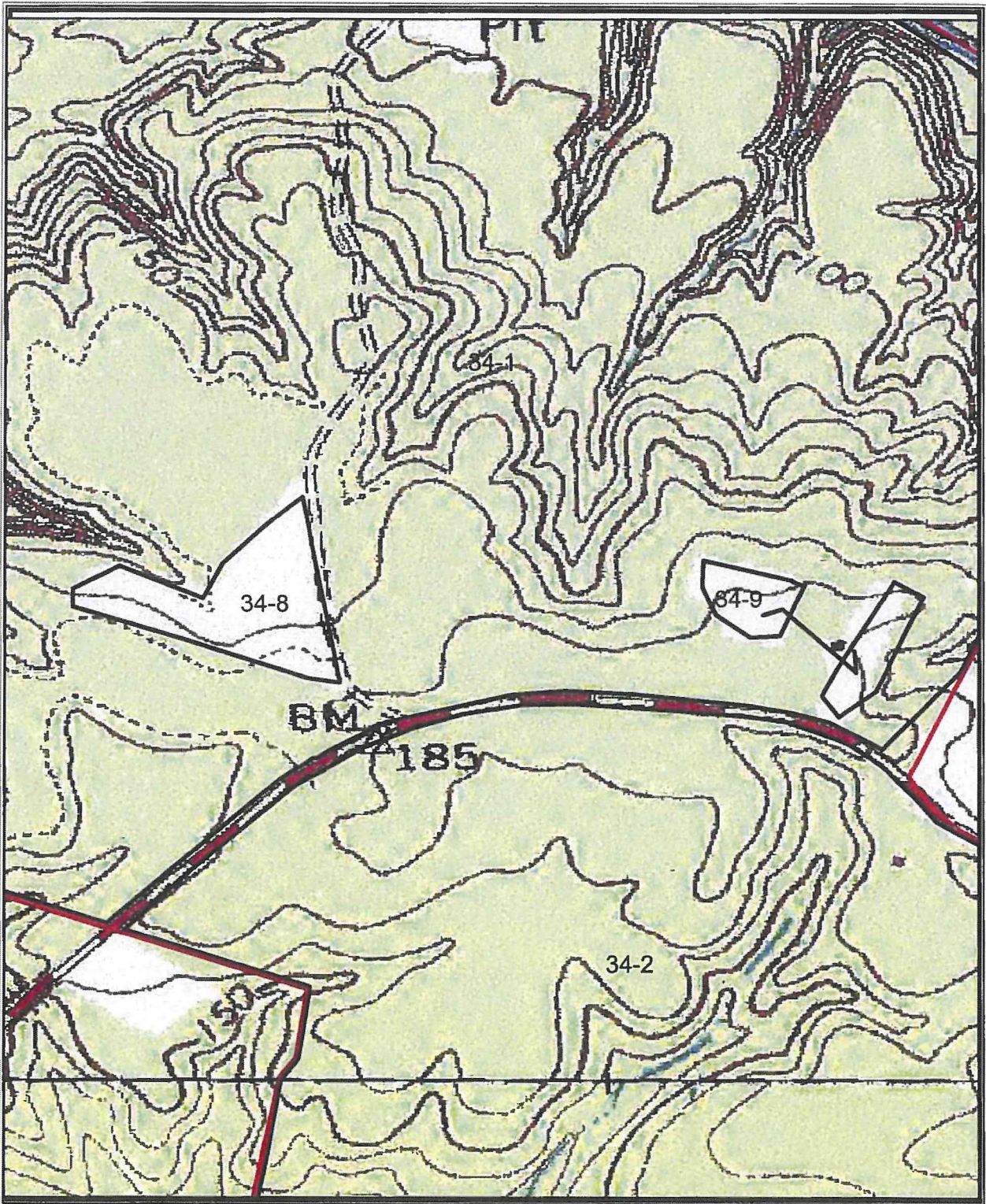
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SYNAGRO

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William Latane
KW 34



1 inch = 660 feet

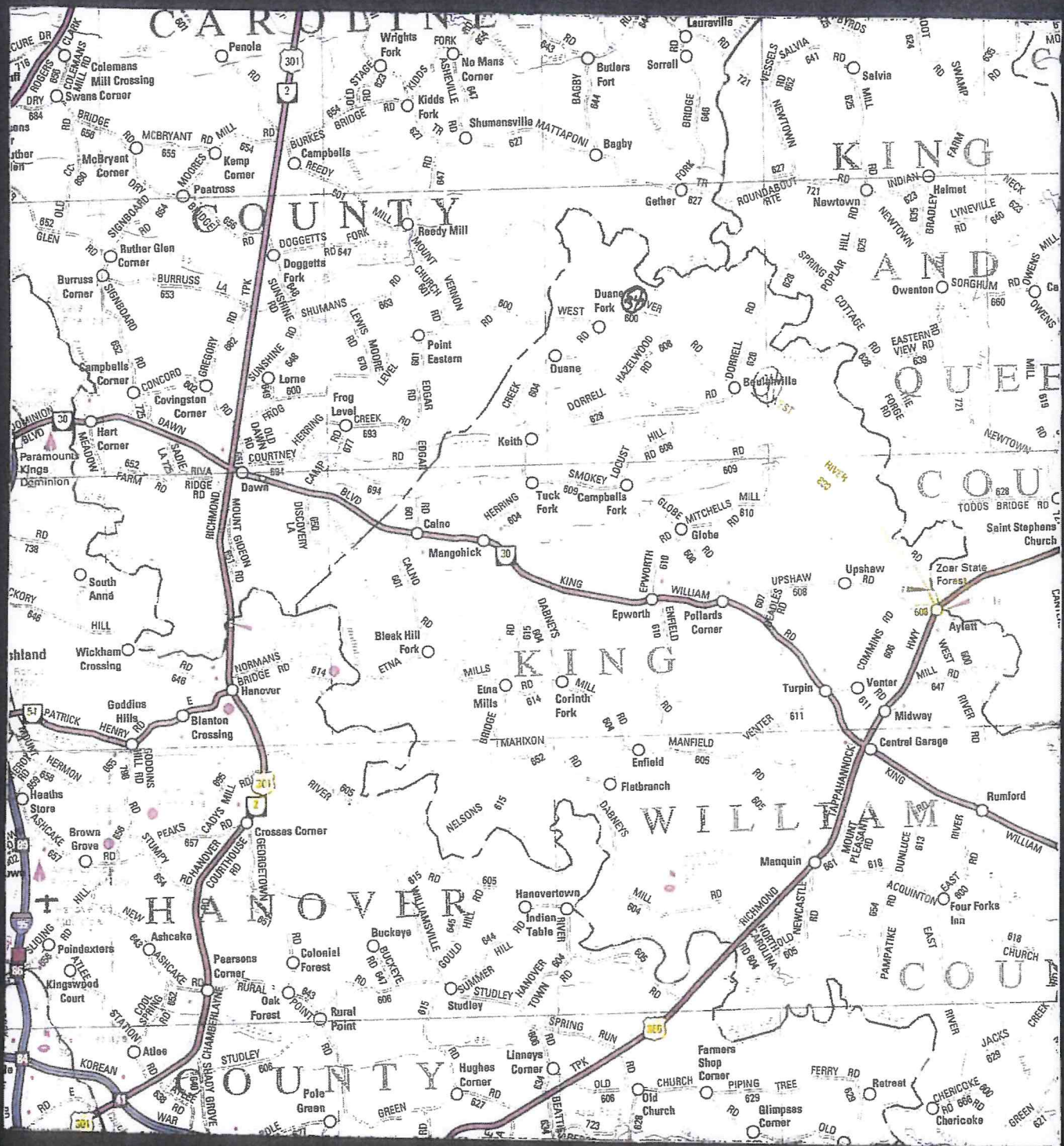
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SYNAGRO

A Residuals Management Company



SCALE 1:150,000

VICINITY MAP

